

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

Larry Bates, ADA

Suffolk County District Attorney's Office
By e-mail

January 24, 2012

Re: Comm. v. [REDACTED]

ADA Bates,

Please find below a discovery package for the case noted above. The material is collated in the following manner:

- 1) the c.v.'s of the chemists
- 2) the Evidence Office receipt to the Boston Police
- 3) the inventory control cards
- 4) the Pharmaceutical Analysis Sheet
- 5) copies of the pharmacopeia references (Micromedex and Drug Bible 2010)
- 6) the gas chromatography screen for buprenorphine
- 7) the gas chromatography/mass spectrometry (gc/ms) data for buprenorphine

I was the custodial chemist responsible for the chain of custody, weights and the preliminary analysis of the exhibit. Annie Khan operated the gc/ms for the confirmatory analysis.

If you need further clarification of this material, call me directly at (617) 983-6627.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael Lawler".

Michael Lawler
Senior Chemist

Cc: Annie Khan

Curriculum Vitae

Michael Lawler

Education:

University of Virginia, Charlottesville, Va. Bachelor of Arts in English, 1975

Harvard University, Cambridge, Ma. Master of Arts in biology, 1995

Experience:

1990-present currently Chemist III, Mass. Dept. of Public Health, Drug Lab analyst determining the identity of unknown substances and providing expert testimony in the Courts. Conduct special testing for poisons within drug exhibits (e.g. strychnine in MDMA)

2005-2008 lecturer in chemistry, Curry College, Milton, Ma.

1988-1990 New England Newborn Screening (NENS) Biochemist conducting pilot studies and validation trials of new newborn screening tests. Investigator and co-author of papers noted below. Introduced screening test for Biotinidase Deficiency. Liaison with interstate collaborators in national studies.

1983-1988 Supervised NENS urine screening lab for metabolic disorders. Conducted research in collaboration with Children's Hospital (Boston) detecting neuroblastoma, a cancer of early childhood. Conducted reference testing for rare metabolic disorders for an international audience.

1982-1983 NENS hypothyroid assay technologist with Tuft's University

1979-1981 Mass. Bay Community College, staff technologist preparing materials for the laboratory technician program, which included reagents, apparatus and maintaining stock cultures of human pathogens.

Additional education and special training

Drug Analysis, completed six week training course by senior staff within the Department of Public Health Drug Analysis Laboratory

National Laboratory Network Training Program course as Expert Witness

Qualified as an expert witness in the Massachusetts Courts and the U.S. District Court

Current Drug Trends – Multijurisdictional Drug Task Force Academy August 2009

CDC course in public health response to bioterrorism

U.S. Army course in biologic warfare and terrorism

DEA Special Testing Lab Seminar June 2011

Sigma-Aldrich LC/MS – New Applications Fall 2011

Journal Publications

Screening, 1992, 1:34-37; Lawler,M., Frederick,S., Rodriguez-Anza, S.,Wolf,B., Levy,H., *Newborn Screening for Biotinidase Deficiency, Pilot Study and Follow-up of Identified Cases*

Genetic Screening, 1990, 11-18, Mitchell,M., Lawler,M., Walraven,C., Hermos,R., *To Screen or Not to Screen for Congenital Hyperplasia: Is that the Question?*

The Journal of Pediatrics, 116: 78-83, Secor-McVoy,J., Lawler,M., Schmidt, M., Ebers,D., Hart,P., Pettit,D., Blitzer,M.,Wolf,B., *Partial Biotinidase Deficiency: Clinical and Biochemical Features*

Professional Affiliations

Northeastern Association of Forensic Scientists (NEAFS) since 2005

Awards

Theobald Smith Education Grant for graduate studies

Curriculum Vitae

Anule Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Responsible for the Quality Control/Quality Assurance program for the drug lab.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)



DRUG RECEIPT

CC # [REDACTED]
BOOK # 66
PAGE # 156
DESTRUCTION # _____

District/Unit D-4/BCH
Name & Rank of Arresting Officer SSPO Padraig Colman ID# 1440

DEFENDANT'S NAME	ADDRESS	CITY	STATE
[REDACTED]	[REDACTED]	<u>Quincy</u>	<u>MA</u>

DESCRIPTION OF ITEMS SUBMITTED	GROSS QUANTITY	GROSS WEIGHT	LAB USE ONLY
			ANALYSIS NUMBER
<u>"Suboxone"</u> <u>CDS</u>	<u>1 piece</u>	<u>3.80g</u>	[REDACTED]
<u>"Xanax"</u>	<u>3 pills</u>	<u>4.12g</u>	
<u>"Sertraline"</u>	<u>1 pill</u>	<u>4.24g</u>	

To be completed by ECU personnel only

Name and Rank of Submitting Officer B. T. Lee ID# 11296
Received by [Signature] Date 12/30/10
ECU Control # _____

No. [REDACTED]

Date Analyzed: 03-19-11

City: Boston D.C.U. Police Dept.

Officer: P.O. KEITH BUTLER

Def: [REDACTED]

Amount: 1.0

Subst: BRKN TAB

No. Cont: 1 Cont: pb

Date Rec'd: 12/30/2010

No. Analyzed:

Gross Wt.: 3.80

Net Weight:

Tests: 1/ML

Prelim:

11-34
buprenorphine

Findings:

2ASO
Buprenorphine

No. [REDACTED]

Date Analyzed: 3-17-11

City: Boston D.C.U. Police Dept.

Officer: P.O. KEITH BUTLER

Def: [REDACTED]

Amount: 3.0

Subst: TAB

No. Cont: 1 Cont: pb

Date Rec'd: 12/30/2010

No. Analyzed:

Gross Wt.: 4.12

Net Weight:

Tests: 1/ML

Prelim:

11-35
G.E.
258
light blue

Findings:

alprazolam
class E

No. [REDACTED]

Date Analyzed: 3-17-11

City: Boston D.C.U. Police Dept.

Officer: P.O. KEITH BUTLER

Def: [REDACTED]

Amount: 1.0

Subst: TAB

No. Cont: 1 Cont: pb

Date Rec'd: 12/30/2010

No. Analyzed:

Gross Wt.: 4.24

Net Weight:

Tests: 1/ML


Prelim:


white
PLIVA
434

Findings:

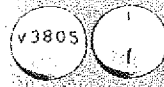
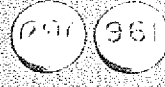


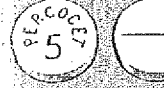
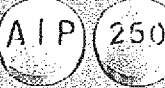
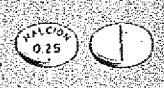


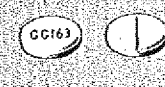


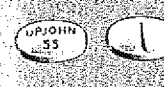











trazadone
class E

Pharmaceutical Analysis Sheet

Sample # [redacted] City Boston E.O. weight 4.12g
 Count 3 tabs Description:  light/blue ✓ P.P. 3-17-11
 Ballistic I.D. alprazolam
 I.D. Source Drug ID Bible 2010
pp 129 & 305
 Final I.D. alprazolam MS chemist _____ completed 3-17-11 class E

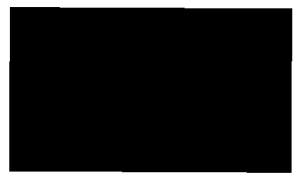
Sample # B10-14873 City Boston E.O. weight 4.24g
 Count 1 tab Description:  white
 Ballistic I.D. trazadone
 I.D. Source micromedex
 Final I.D. _____ MS chemist _____ completed 3-17-11 trazadone
class E

Imprint	Ingredients	Appearance	Use*	Brand or Equivalent	Control	Manufacturer
	CONTROLLED - SEE PAGE 284	White oblong tablet	Anxiety/Panic disorder	Xanax	DEA Schedule IV	Sandoz, Inc.
	CONTROLLED - SEE PAGE 282	White oval tablet	Anxiety/Panic disorder	Xanax	DEA Schedule IV	Sandoz, Inc.
	CONTROLLED - SEE PAGE 291	Peach oval tablet	Anxiety/Panic disorder	Xanax	DEA Schedule IV	Sandoz, Inc.
	CONTROLLED - SEE PAGE 305	Blue oval tablet	Anxiety/Panic disorder	Xanax	DEA Schedule IV	Sandoz, Inc.
	Isosorbide Dinitrate 5 mg	Pink round tablet	Angina (chest pain)	Isordil	RX	Sandoz, Inc.
	Isosorbide Dinitrate 10 mg	White round tablet	Angina (chest pain)	Isordil	RX	Sandoz, Inc.
	Hydroxychloroquine Sulfate 200 mg	White round tablet	Malaria/Arthritis/Lupus	Plaquenil	RX	Sandoz, Inc.
	Meclizine Hydrochloride 25 mg	Yellow oval tablet	Motion sickness	Antivert	RX or OTC	Sandoz, Inc.
	Atenolol 50 mg	White round tablet	Blood pressure/Angina	Tenormin	RX	Sandoz, Inc.
	Atenolol 100 mg	White round tablet	Blood pressure/Angina	Tenormin	RX	Sandoz, Inc.
	Isosuprine Hydrochloride 10 mg	White round tablet	Peripheral vasodilator	Vasodilan	RX	Sandoz, Inc.
	Isosuprine Hydrochloride 20 mg	White round tablet	Peripheral vasodilator	Vasodilan	RX	Sandoz, Inc.
	Cyclobenzaprine Hydrochloride 10 mg	Yellow round tablet	Muscle spasms	Flexeril	RX	Sandoz, Inc.
	Loratadine 10 mg	White round tablet	Allergies	Claritin	OTC	Sandoz, Inc.
	Famotidine 20 mg	Tan round tablet	Stomach acid blocker	Pepcid	RX	Sandoz, Inc.
	Thioridazine Hydrochloride 10 mg	Orange round tablet	Psychotic disorders	Mellaril	RX	Sandoz, Inc.
	Gemfibrozil 300 mg	White/red capsule	Antihyperlipidemic		RX	Mylan (Canada)
	Thioridazine Hydrochloride 15 mg	Orange round tablet	Psychotic disorders	Mellaril	RX	Sandoz, Inc.
	Thioridazine Hydrochloride 25 mg	Orange round tablet	Psychotic disorders	Mellaril	RX	Sandoz, Inc.
	Thioridazine Hydrochloride 50 mg	Orange round tablet	Psychotic disorders	Mellaril	RX	Sandoz, Inc.
	Levothyroxine Sodium 137 mcg	Blue oblong tablet	Thyroid hormone	Synthroid	RX	Sandoz, Inc.
	Levothyroxine Sodium 25 mcg	Orange oblong tablet	Thyroid hormone	Synthroid	RX	Sandoz, Inc.
	Levothyroxine Sodium 50 mcg	White oblong tablet	Thyroid hormone	Synthroid	RX	Sandoz, Inc.
	Levothyroxine Sodium 75 mcg	Blue oblong tablet	Thyroid hormone	Synthroid	RX	Sandoz, Inc.
	Levothyroxine Sodium 88 mcg	Green oblong tablet	Thyroid hormone	Synthroid	RX	Sandoz, Inc.
	Levothyroxine Sodium 100 mcg	Yellow oblong tablet	Thyroid hormone	Synthroid	RX	Sandoz, Inc.
	Levothyroxine Sodium 112 mcg	Red oblong tablet	Thyroid hormone	Synthroid	RX	Sandoz, Inc.
	Levothyroxine Sodium 125 mcg	Brown oblong tablet	Thyroid hormone	Synthroid	RX	Sandoz, Inc.
	Levothyroxine Sodium 150 mcg	Blue oblong tablet	Thyroid hormone	Synthroid	RX	Sandoz, Inc.
	Levothyroxine Sodium 175 mcg	Purple oblong tablet	Thyroid hormone	Synthroid	RX	Sandoz, Inc.
	Thioridazine Hydrochloride 100 mg	Orange round tablet	Psychotic disorders	Mellaril	RX	Sandoz, Inc.
	Levothyroxine Sodium 200 mcg	Pink oblong tablet	Thyroid hormone	Synthroid	RX	Sandoz, Inc.
	Levothyroxine Sodium 300 mcg	Green oblong tablet	Thyroid hormone	Synthroid	RX	Sandoz, Inc.
	Thioridazine Hydrochloride 150 mg	Orange round tablet	Psychotic disorders	Mellaril	RX	Sandoz, Inc.
	Levetiracetam 250 mg	Blue oblong tablet	Epilepsy	Keppra	RX	Sandoz, Inc.
	Levetiracetam 500 mg	Yellow oblong tablet	Epilepsy	Keppra	RX	Sandoz, Inc.
	Levetiracetam 750 mg	Pink oblong tablet	Epilepsy	Keppra	RX	Sandoz, Inc.
	Thioridazine Hydrochloride 200 mg	Orange round tablet	Psychotic disorders	Mellaril	RX	Sandoz, Inc.
	Benazepril Hydrochloride 5 mg, Hydrochlorothiazide 6.25 mg	White oval tablet	High blood pressure	Lotensin HCT	RX	Sandoz, Inc.
	Benazepril Hydrochloride 10 mg, Hydrochlorothiazide 12.5 mg	Pink oval tablet	High blood pressure	Lotensin HCT	RX	Sandoz, Inc.
	Benazepril Hydrochloride 20 mg, Hydrochlorothiazide 12.5 mg	Purple oval tablet	High blood pressure	Lotensin HCT	RX	Sandoz, Inc.
	Benazepril Hydrochloride 20 mg, Hydrochlorothiazide 25 mg	Red oval tablet	High blood pressure	Lotensin HCT	RX	Sandoz, Inc.
	CONTROLLED - SEE PAGE 267	White round tablet	Diarrhea	Lonox	DEA Schedule V	Sandoz, Inc.
	Amitriptyline Hydrochloride 10 mg	Pink round tablet	Antidepressant	Elavil	RX	Sandoz, Inc.
	Chlorpromazine Hydrochloride 50 mg	Orange round tablet	Antipsychotic/Nausea	Thorazine	RX	Sandoz, Inc.
	Imipramine Hydrochloride 10 mg	Yellow round tablet	Antidepressant	Tofranil	RX	Sandoz, Inc.
	Carisoprodol 350 mg	White round tablet	Muscle spasms	Soma	RX	Sandoz, Inc.
	Metoprolol Tartrate 50 mg	White round tablet	Blood pressure/Angina	Lopressor	RX	Sandoz, Inc.
	Metoprolol Tartrate 100 mg	White round tablet	Blood pressure/Angina	Lopressor	RX	Sandoz, Inc.
	Naproxen Sodium 275 mg	Yellow oval tablet	Analgesic	Anaprox	RX	Sandoz, Inc.
	Naproxen Sodium 550 mg	White oval tablet	Analgesic	Anaprox DS	RX	Sandoz, Inc.
	Imipramine Hydrochloride 50 mg	Green round tablet	Antidepressant	Tofranil	RX	Sandoz, Inc.
	Amitriptyline Hydrochloride 50 mg	Brown round tablet	Antidepressant	Elavil	RX	Sandoz, Inc.
	Chlorpromazine Hydrochloride 100 mg	Orange round tablet	Antipsychotic/Nausea	Thorazine	RX	Sandoz, Inc.
	Amitriptyline Hydrochloride 25 mg	Green round tablet	Antidepressant	Elavil	RX	Sandoz, Inc.
	Amitriptyline Hydrochloride 150 mg	Green oblong tablet	Antidepressant	Elavil	RX	Sandoz, Inc.

 <p>Imprint: V3805 Reverse side: Scored Brand or equivalent: Limbitrol Active ingredients: Amitriptyline 12.5 mg Chlordiazepoxide HCl 5 mg *Use: Depression/Anxiety Mfr: Valeant Pharmaceuticals</p>	 <p>Imprint: par Reverse side: 961 Brand or equivalent: Limbitrol Active ingredients: Amitriptyline 12.5 mg Chlordiazepoxide HCl 5 mg *Use: Depression/Anxiety Mfr: Par Pharmaceuticals</p>	 <p>Imprint: MD 518 Reverse side: None Brand or equivalent: Tenuate Active ingredients: Diethylpropion HCl 25 mg *Use: Obesity Mfr: UCB Group</p>	 <p>Imprint: A23 Reverse side: M Brand or equivalent: Xanax XR Active ingredients: Alprazolam 2 mg *Use: Anxiety/Panic disorder Mfr: Mylan Pharmaceuticals</p>
 <p>Imprint: PERCOCET 5 Reverse side: Scored Brand or equivalent: Percocet Active ingredients: Oxycodone HCl 5 mg Acetaminophen 325 mg *Use: Narcotic analgesic Mfr: Endo Laboratories</p>	 <p>Imprint: AIP Reverse side: 250 Brand or equivalent: Perloxx Active ingredients: Acetaminophen 300 mg Oxycodone HCl 2.5 mg *Use: Narcotic analgesic Mfr: Athlon Pharmaceuticals</p>	 <p>Imprint: HALCION 0.25 Reverse side: Scored Brand or equivalent: Halcion Active ingredients: Triazolam 0.25 mg *Use: Sedative Mfr: Pfizer, Inc.</p>	 <p>Imprint: G 3718 Reverse side: Scored Brand or equivalent: Halcion Active ingredients: Triazolam 0.25 mg *Use: Sedative Mfr: Greenstone, LLC</p>
 <p>Imprint: 54 620 Reverse side: Scored Brand or equivalent: Halcion Active ingredients: Triazolam 0.25 mg *Use: Sedative Mfr: Roxane Laboratories</p>	 <p>Imprint: GG163 Reverse side: Scored Brand or equivalent: Halcion Active ingredients: Triazolam 0.25 mg *Use: Sedative Mfr: Sandoz, Inc.</p>	 <p>Imprint: UPJOHN 17 Reverse side: Scored Brand or equivalent: Halcion Active ingredients: Triazolam 0.25 mg *Use: Sedative Mfr: Pharmacia (Mexico)</p>	 <p>Imprint: XANAX 1.0 Reverse side: Scored Brand or equivalent: Xanax Active ingredients: Alprazolam 1 mg *Use: Anxiety/Panic disorder Mfr: Pfizer, Inc.</p>
 <p>Imprint: UPJOHN 55 Reverse side: Scored Brand or equivalent: Tali Active ingredients: Alprazolam 0.5 mg *Use: Anxiety/Panic disorder Mfr: Pharmacia (Mexico)</p>	 <p>Imprint: GG 258 Reverse side: Scored Brand or equivalent: Xanax Active ingredients: Alprazolam 1 mg *Use: Anxiety/Panic disorder Mfr: Sandoz, Inc.</p>	 <p>Imprint: G 3721 Reverse side: Scored Brand or equivalent: Xanax Active ingredients: Alprazolam 1 mg *Use: Anxiety/Panic disorder Mfr: Greenstone, LLC</p>	 <p>Imprint: UPJOHN 90 Reverse side: Scored Brand or equivalent: Tali Active ingredients: Alprazolam 1 mg *Use: Anxiety/Panic disorder Mfr: Pharmacia (Mexico)</p>
 <p>Imprint: b 971 Reverse side: 5 Brand or equivalent: Adderall Active ingredients: Dextroamphetamine Saccharate 1.25 mg Amphetamine Aspartate 1.25 mg Dextroamphetamine Sulfate 1.25 mg Amphetamine Sulfate 1.25 mg *Use: Narcolepsy/ADHD Mfr: Teva Pharmaceuticals</p>	 <p>Imprint: AD Reverse side: 7.5 Brand or equivalent: Adderall Active ingredients: Dextroamphetamine Saccharate 1.875 mg Amphetamine Aspartate 1.875 mg Dextroamphetamine Sulfate 1.875 mg Amphetamine Sulfate 1.875 mg *Use: Narcolepsy/ADHD Mfr: Teva Pharmaceuticals</p>	 <p>Imprint: b 972 Reverse side: 10 Brand or equivalent: Adderall Active ingredients: Dextroamphetamine Saccharate 2.5 mg Amphetamine Aspartate 2.5 mg Dextroamphetamine Sulfate 2.5 mg Amphetamine Sulfate 2.5 mg *Use: Narcolepsy/ADHD Mfr: Teva Pharmaceuticals</p>	 <p>Imprint: WATSON 540 Reverse side: Scored Brand or equivalent: Lortab Active ingredients: Hydrocodone Bitartrate 10 mg Acetaminophen 500 mg *Use: Narcotic analgesic Mfr: Watson Pharmaceuticals</p>
 <p>Imprint: SP Reverse side: 200 Brand or equivalent: Vimpat Active ingredients: Lacosamide 200 mg *Use: Seizures Mfr: UCB Group</p>	 <p>Imprint: PAL Reverse side: 032 Brand or equivalent: Pantor SS Active ingredients: Dihydrocodeine Bitartrate 32 mg Acetaminophen 712.8 mg Caffeine 60 mg *Use: Narcotic analgesic Mfr: PamLab, LLC</p>	 <p>Imprint: C-C 135 Reverse side: Scored Brand or equivalent: Bontril PDM Active ingredients: Phendimetrazine Tartrate 35 mg *Use: Obesity Mfr: Camall Company</p>	 <p>Imprint: E658 Reverse side: 100 Brand or equivalent: MS Contin Active ingredients: Morphine Sulfate 100 mg *Use: Narcotic analgesic Mfr: Endo Laboratories</p>

*A common medical use - not all uses are listed.

POISINDEX® Product List**Trazodone Hydrochloride****Regulatory-Status:** RX**Ingredients****Active-Ingredient:** Trazodone - 100 MG**Excipients:** Silicon Dioxide, Colloidal
lactose, anhydrous
Magnesium Stearate
microcrystalline cellulose
Sodium Starch Glycolate**Availability & Manufacturing****Availability:** United States**Available-Container-Sizes:** Bottle of 100; Bottle of 1000; Bottle of 500**Contact:** Teva Pharmaceuticals**Product ID:** 3716581**AAPCC Code:** 066743 - Trazodone**Registry Numbers:** NDC 50111-0434-03
NDC 50111-0434-01
NDC 50111-0434-02**Notes****Notes:** The new imprint code for this product is pliva 434. This product may have alternate or old imprints.**Physical Description****Imprint:** Pliva; 434**Alt Imprint:** SI; 434**Form:** Tablet**Color:** white**Shape:** round, convex, bisected scored**Size:** 7/16"**Images for NDC 50111-0434-03**





Sample # B10-14871 City Boston E.O. weight 3.80

Count 1 piece broken tab Description:

Ballistic I.D. ? buprenorphine

I.D. Source Micromedex

side 1  side 2 

orange suggest buprenorphine tabs
get buprenorphine

Final I.D. buprenorphine MS chemist ADD completed 3-19-11

POISINDEX® Product List**Suboxone**

Regulatory-Status: Schedule III

Ingredients

Active-Ingredients: Naloxone - 2 MG
Buprenorphine - 8 MG

Availability & Manufacturing

Availability: United States

Available-Container-Size: Bottle of 30

Contact: Reckitt Benckiser

Product ID: 6370996

AAPCC Code: 200625 - Buprenorphine

Registry Number: NDC 12496-1306-02

Physical Description

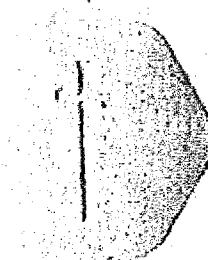
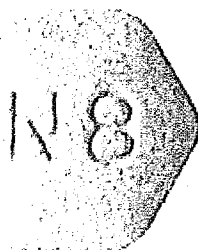
Imprint: N8; Sword Logo

Form: Tablet

Color: orange

Shape: Six-sided


Images for NDC 12496-1306-02



Images for NDC 12496-1306-02

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName DataFile LimsID	Method	Inj	SampleType	InjVolume
1	Vial 1	BLANK	GENSCAN	1	Sample	
2	Vial 2	BUPRENORPHINE STD.	GENSCAN	1	Sample	
3	Vial 3	BLANK	GENSCAN	1	Sample	
4	Vial 4		GENSCAN	1	Sample	
5	Vial 5	BLANK	GENSCAN	1	Sample	

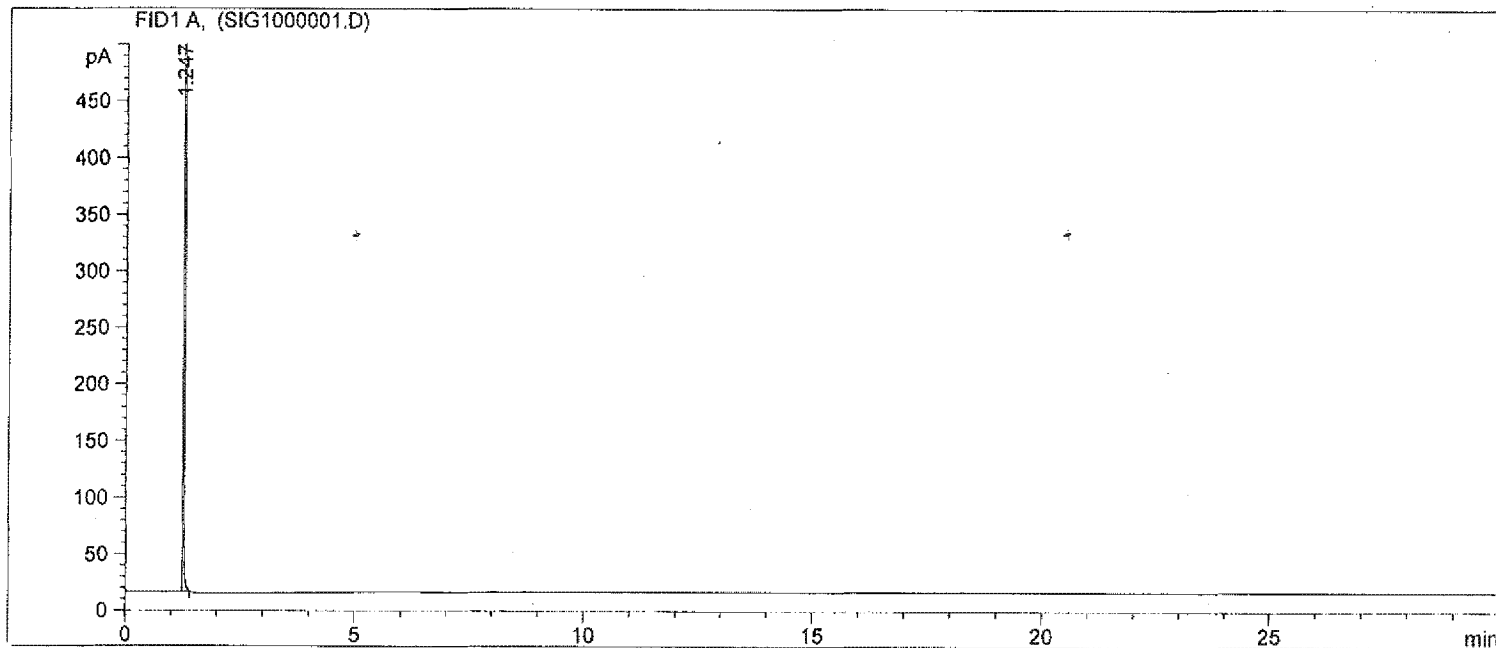
Sequence Table (Back Injector):

No entries - empty table!

Sample Name: BLANK

```
=====
Acq. Operator   :                               Seq. Line :    1
Acq. Instrument : Drug Lab GC#3                 Location  : Vial 1
Injection Date  : 3/17/2011 5:36:16 PM          Inj       :    1
                                                Inj Volume: 1 µl

Sequence File   : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method          : C:\CHEM32\1\METHODS\GENSCAN.M
Last changed    : 3/9/2011 1:42:02 PM
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By           :      Retention Time
Multiplier:         :      1.0000
Dilution:           :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

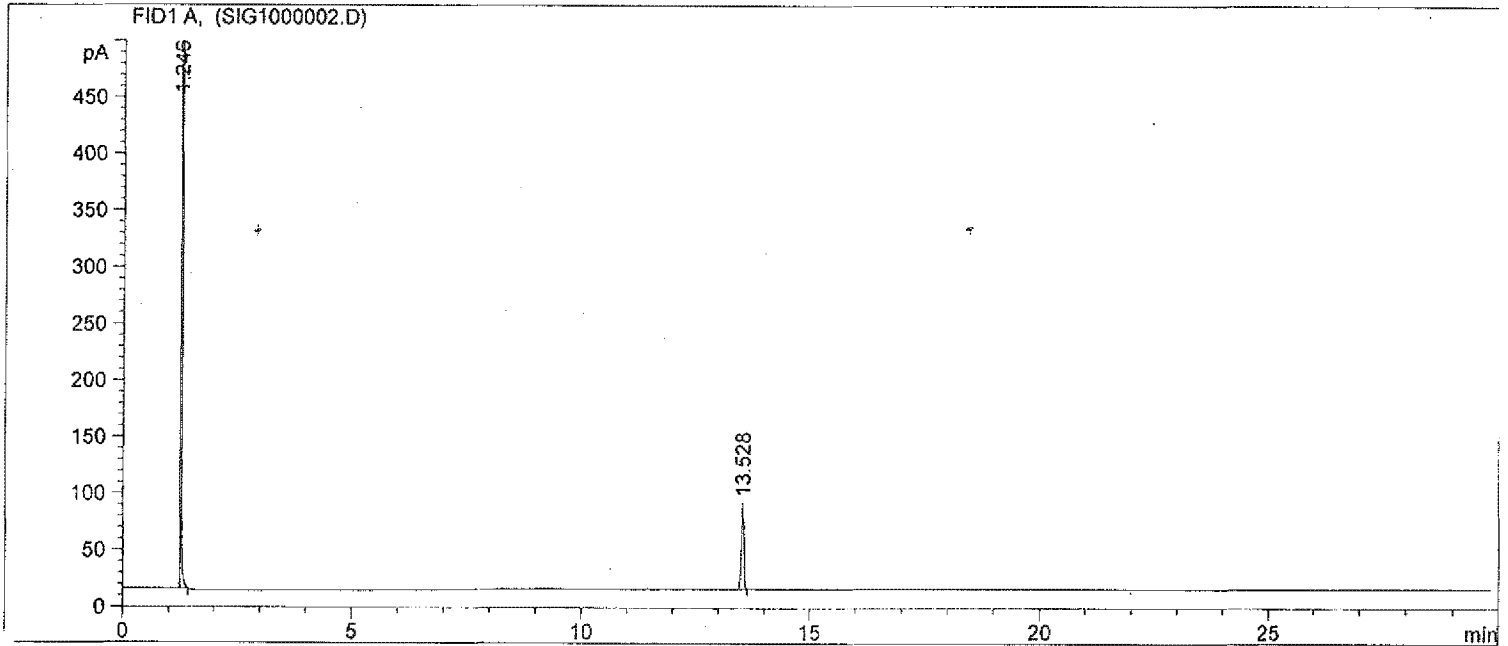
Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	1.247	1	BB S	7.83066e4	8.51352e4	1.000e2

Totals : 7.83066e4 8.51352e4

```
=====
*** End of Report ***
=====
```

Sample Name: BUPRENORPHINE STD

```
=====
Acq. Operator   :                               Seq. Line :    2
Acq. Instrument : Drug Lab GC#3                 Location  : Vial 2
Injection Date  : 3/17/2011 6:10:33 PM          Inj       :    1
                                                Inj Volume: 1 µl
Sequence File   : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method          : C:\CHEM32\1\METHODS\GENSCAN.M
Last changed    : 3/9/2011 1:42:02 PM
=====
```



```
=====
                        Area Percent Report
=====
```

Sorted By : Retention Time
Multiplier: : 1.0000
Dilution: : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

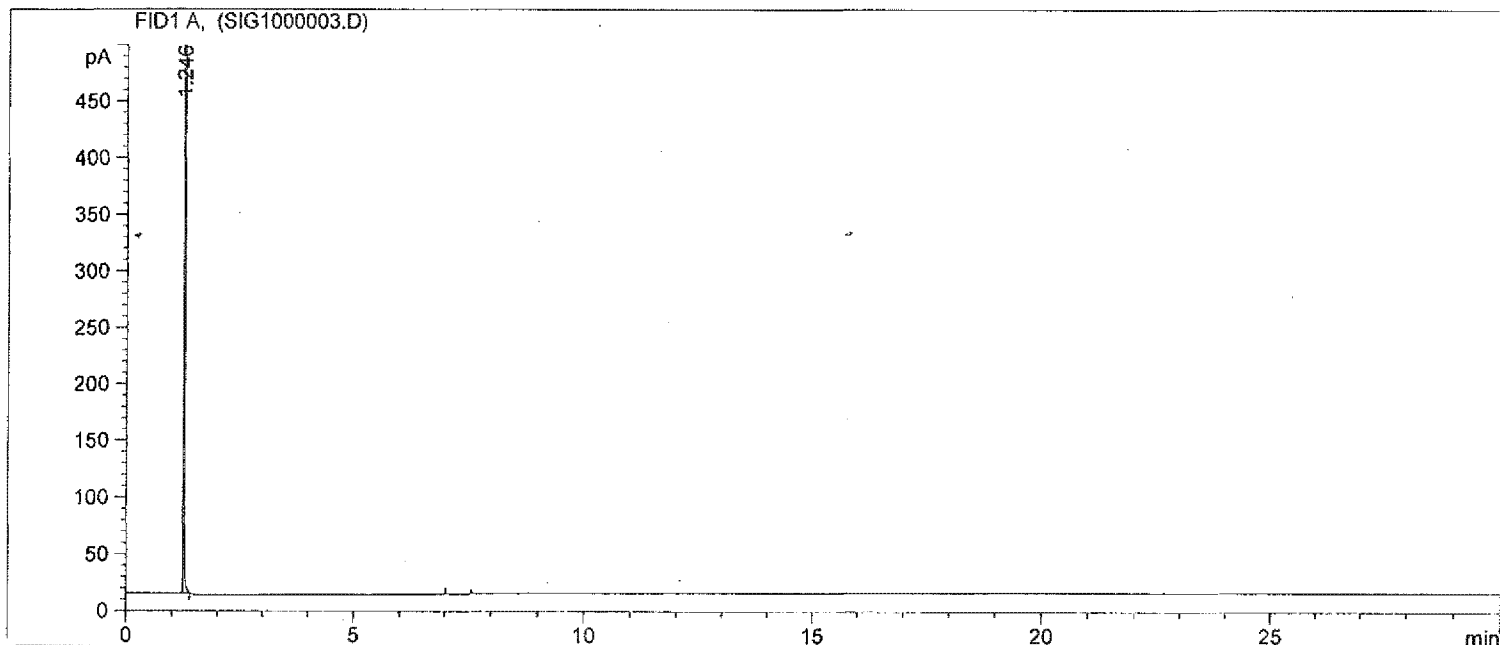
Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	1.246	1	BB S	7.57171e4	8.72793e4	99.63007
2	13.528	1	BB	281.13879	76.32579	0.36993

Totals : 7.59982e4 8.73557e4

```
=====
                        *** End of Report ***
=====
```

```
=====
Acq. Operator   :                               Seq. Line :    3
Acq. Instrument : Drug Lab GC#3                 Location  : Vial 3
Injection Date  : 3/17/2011 6:44:58 PM          Inj       :    1
                                                Inj Volume: 1 µl

Sequence File   : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method          : C:\CHEM32\1\METHODS\GENSCAN.M
Last changed    : 3/9/2011 1:42:02 PM
=====
```



```
=====
                          Area Percent Report
=====
```

Sorted By : Retention Time
Multiplier: : 1.0000
Dilution: : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	1.246	1	BB S	7.45568e4	8.73899e4	1.000e2

Totals : 7.45568e4 8.73899e4

```
=====
*** End of Report ***
=====
```

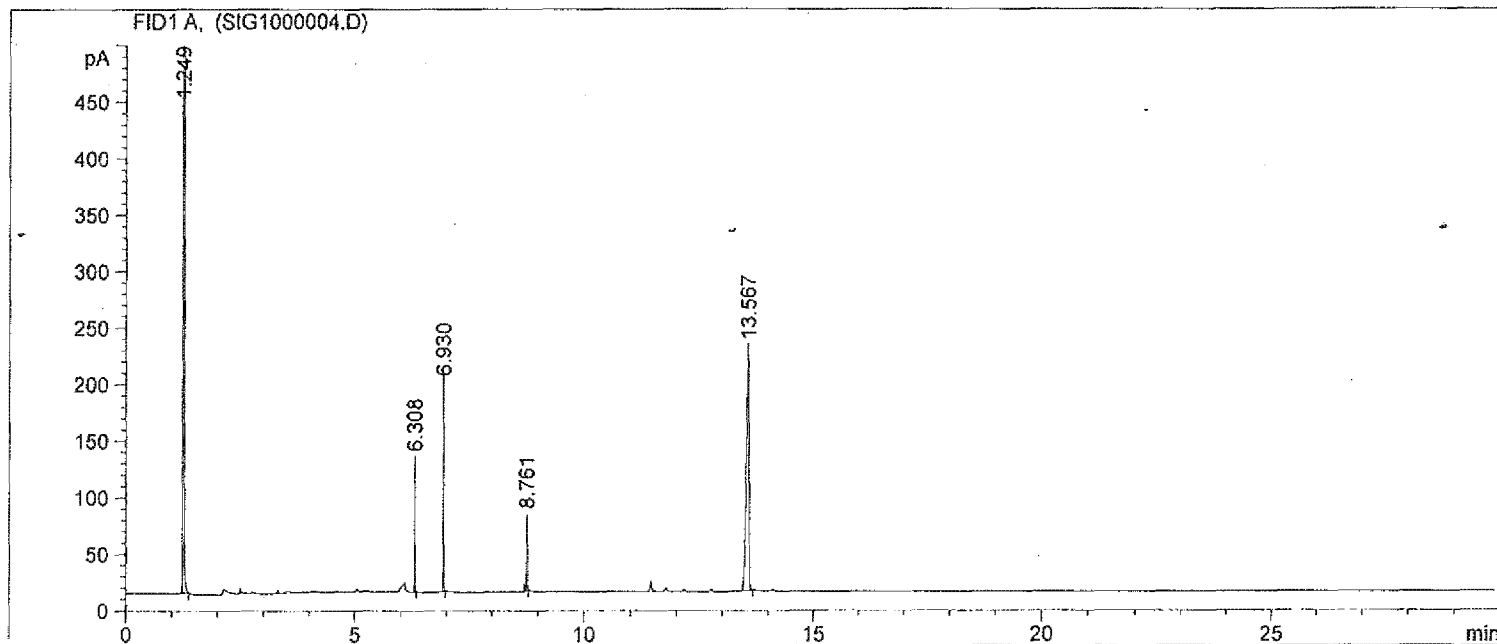
Sample Name: XXXXXXXXXX

```

=====
Acq. Operator   :                               Seq. Line :    4
Acq. Instrument : Drug Lab GC#3                 Location  : Vial 4
Injection Date  : 3/17/2011 7:19:15 PM          Inj       :    1
                                                Inj Volume: 1 µl

Sequence File   : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method          : C:\CHEM32\1\METHODS\GENSCAN.M
Last changed    : 3/9/2011 1:42:02 PM
=====

```



```

=====
                        Area Percent Report
=====

```

Sorted By : Retention Time
Multiplier: : 1.0000
Dilution: : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	1.249	1	BB S	8.18295e4	7.75892e4	98.53323
2	6.308	1	BB	92.99126	119.29201	0.11197
3	6.930	1	BB	158.36580	185.55791	0.19069
4	8.761	1	BB	79.69176	67.64719	0.09596
5	13.567	1	BB	887.07001	216.49399	1.06815

Totals : 8.30477e4 7.81782e4

```

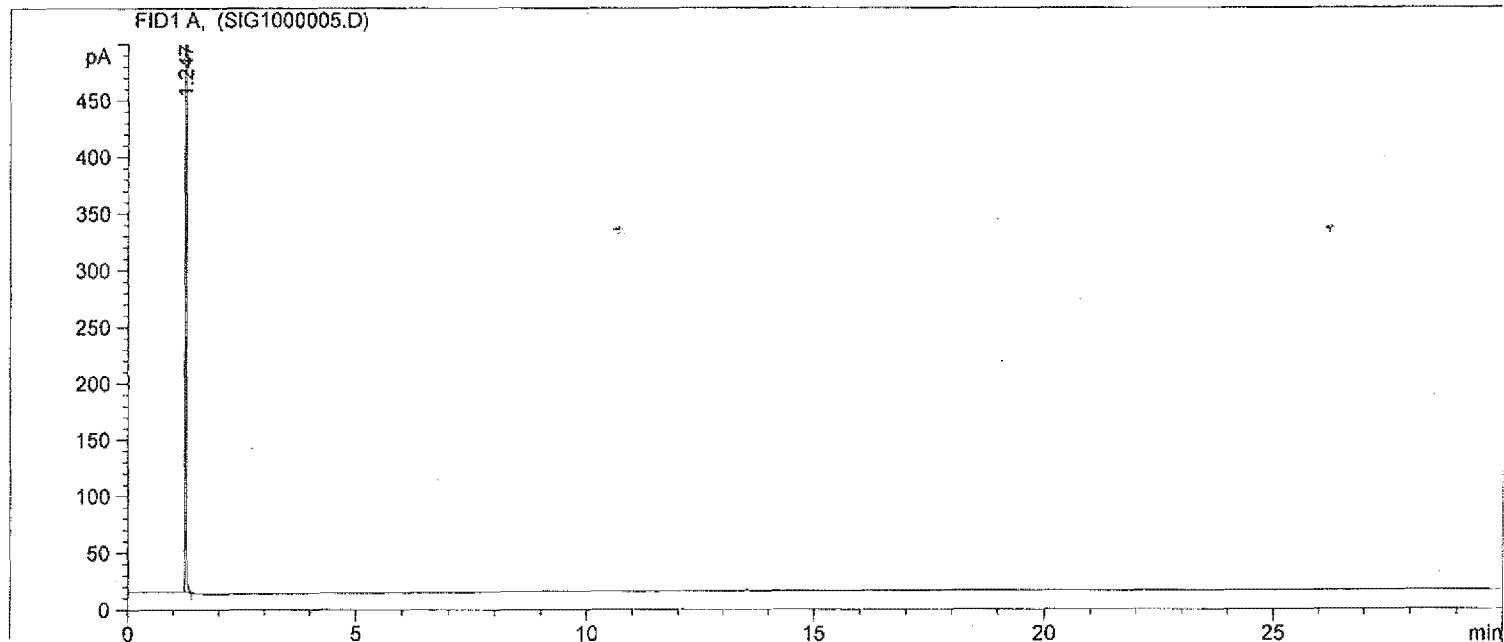
=====
*** End of Report ***

```


Sample Name: BLANK

```
=====
Acq. Operator   :                               Seq. Line :    5
Acq. Instrument : Drug Lab GC#3                 Location  : Vial 5
Injection Date  : 3/17/2011 7:53:41 PM          Inj       :    1
                                                Inj Volume: 1 µl

Sequence File   : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method          : C:\CHEM32\1\METHODS\GENSCAN.M
Last changed    : 3/9/2011 1:42:02 PM
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By           :      Retention Time
Multiplier:         :      1.0000
Dilution:           :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	1.247	1	BB S	7.88481e4	7.96926e4	1.000e2

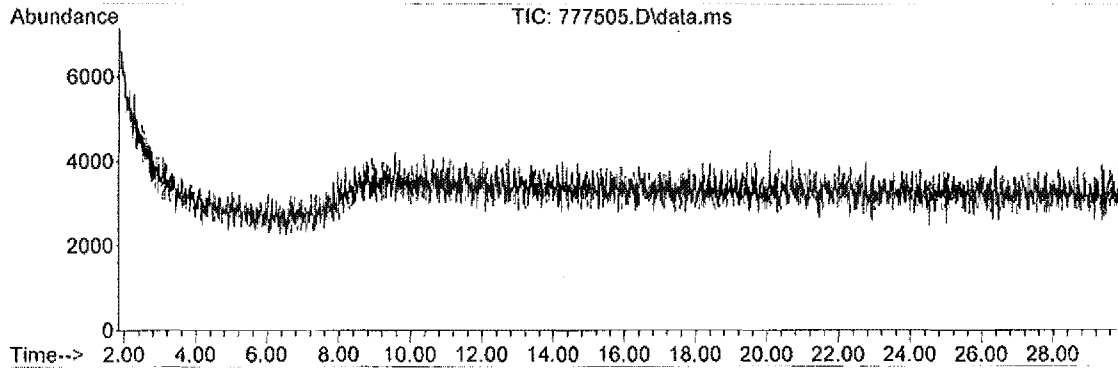
Totals : 7.88481e4 7.96926e4

```
=====
*** End of Report ***
=====
```

Information from Data File:

File Name : F:\Q1-2011\System6\03_18_11\777505.D
Operator : ASD
Date Acquired : 18 Mar 2011 16:16
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: WSCREEN.M
Integrator : RTE

✓ ASD
01-19-2012

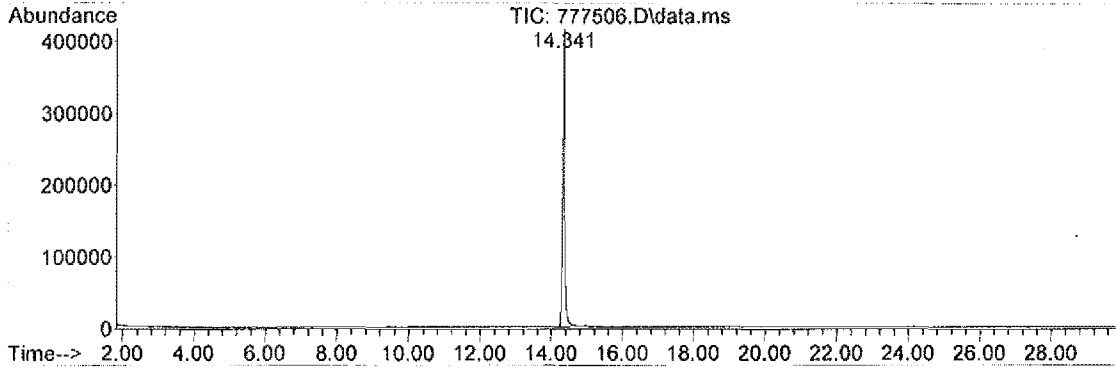


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q1-2011\System6\03_18_11\777506.D
 Operator : ASD
 Date Acquired : 18 Mar 2011 16:50
 Sample Name : BUPRENORPHINE STD
 Submitted by :
 Vial Number : 6
 AcquisitionMeth: WSCREEN.M
 Integrator : RTE



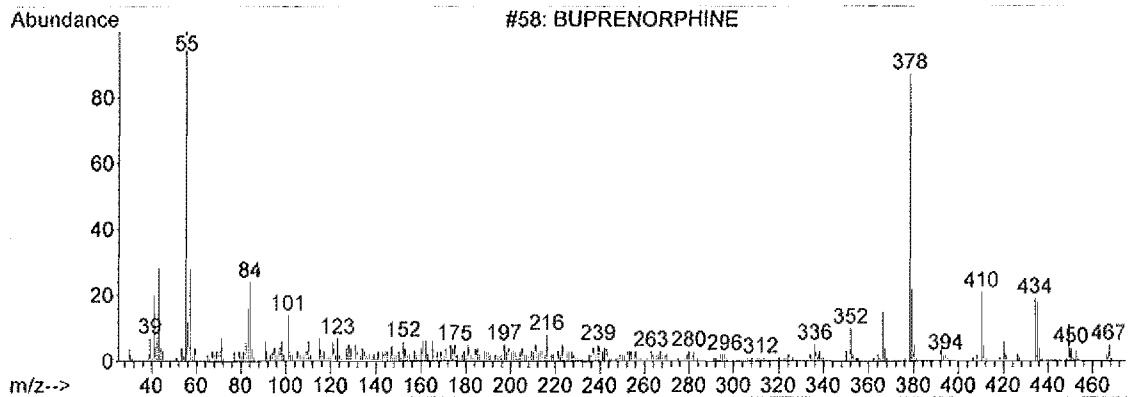
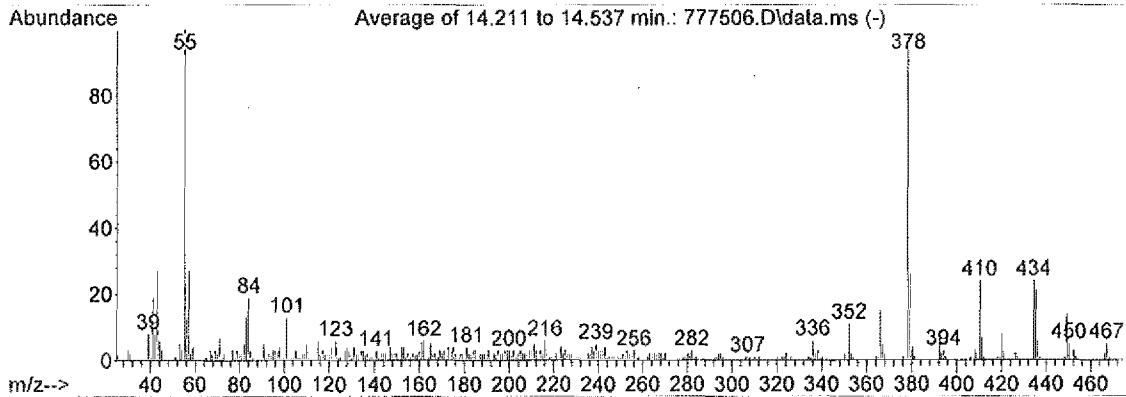
Ret. Time	Area	Area %	Ratio %
14.341	1674012	100.00	100.00

Information from Data File:

File Name : F:\Q1-2011\System6\03_18_11\777506.D
Operator : ASD
Date Acquired : 18 Mar 2011 16:50
Sample Name : BUPRENORPHINE STD
Submitted by :
Vial Number : 6
AcquisitionMeth: WSCREEN.M
Integrator : RTE

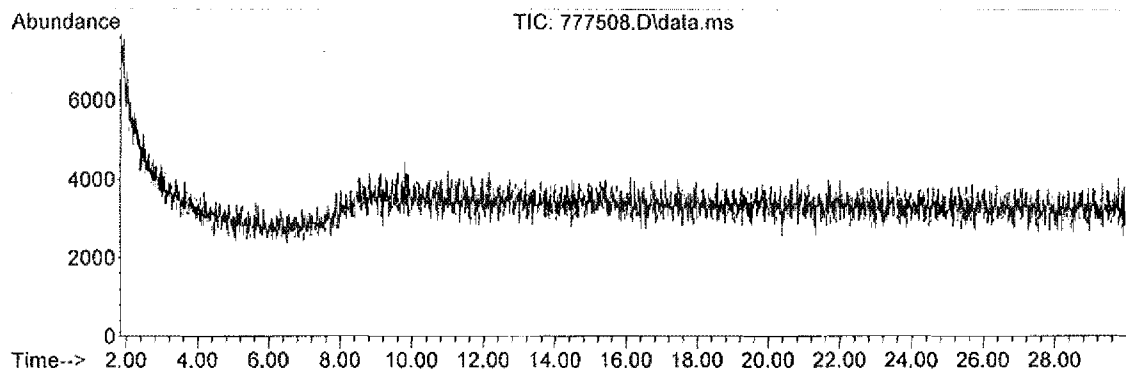
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 10
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	14.34	C:\Database\SLI.L		
		BUPRENORPHINE	052485-79-7	99
		BURPENORPHINE	052485-79-7	99



Information from Data File:

File Name : F:\Q1-2011\System6\03_18_11\777508.D
Operator : ASD
Date Acquired : 18 Mar 2011 17:58
Sample Name : BLANK
Submitted by : MGL
Vial Number : 1
AcquisitionMeth: WSCREEN.M
Integrator : RTE

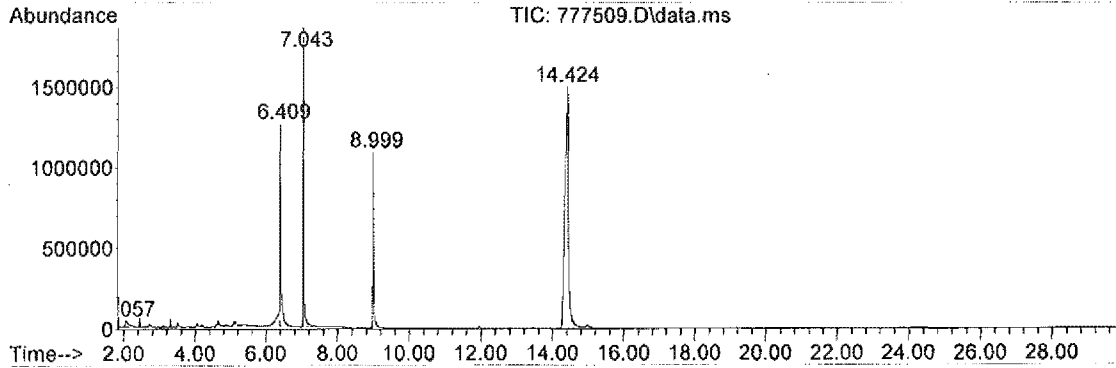


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q1-2011\System6\03_18_11\777509.D
 Operator : ASD
 Date Acquired : 18 Mar 2011 18:33
 Sample Name : XXXXXXXXXX
 Submitted by : MGL
 Vial Number : 9
 AcquisitionMeth: WSCREEN.M
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.057	210098	1.18	1.96
6.409	2278731	12.77	21.23
7.043	2724795	15.27	25.39
8.999	1903155	10.66	17.73
14.424	10731558	60.13	100.00

Information from Data File:

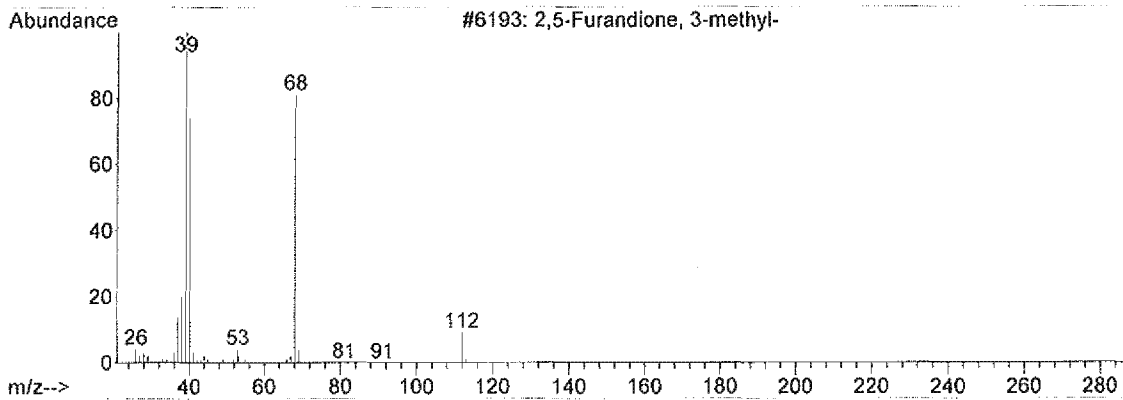
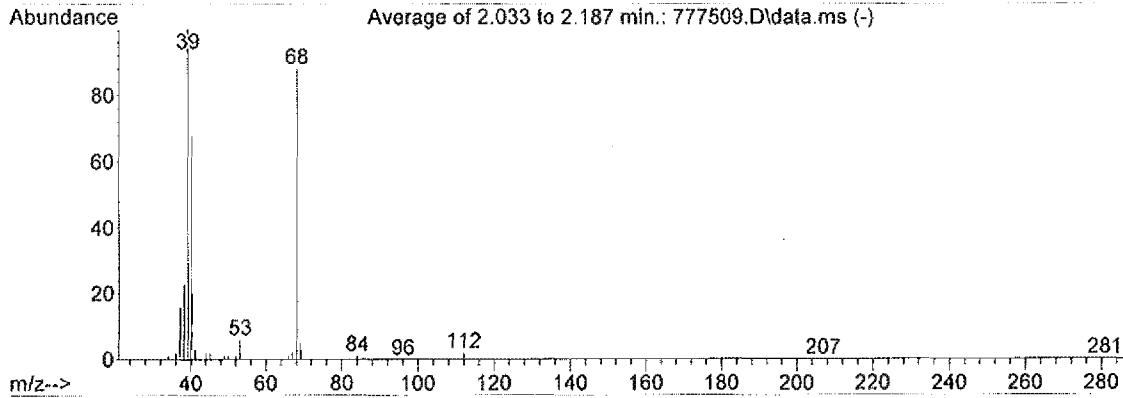
```

File Name       : F:\Q1-2011\System6\03_18_11\777509.D
Operator        : ASD
Date Acquired   : 18 Mar 2011  18:33
Sample Name     : ██████████
Submitted by    : MGL
Vial Number     : 9
AcquisitionMeth : WSCREEN.M
Integrator      : RTE
  
```

```

Search Libraries: C:\Database\SLI.L           Minimum Quality: 80
                  C:\Database\NIST08.L        Minimum Quality: 10
                  C:\Database\PMW_TOX2.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	2.06	C:\Database\NIST08.L		
		2,5-Furandione, 3-methyl-	000616-02-4	91
		2,5-Furandione, dihydro-3-methylene	002170-03-8	91
		2,5-Furandione, dihydro-3-methylene	002170-03-8	90

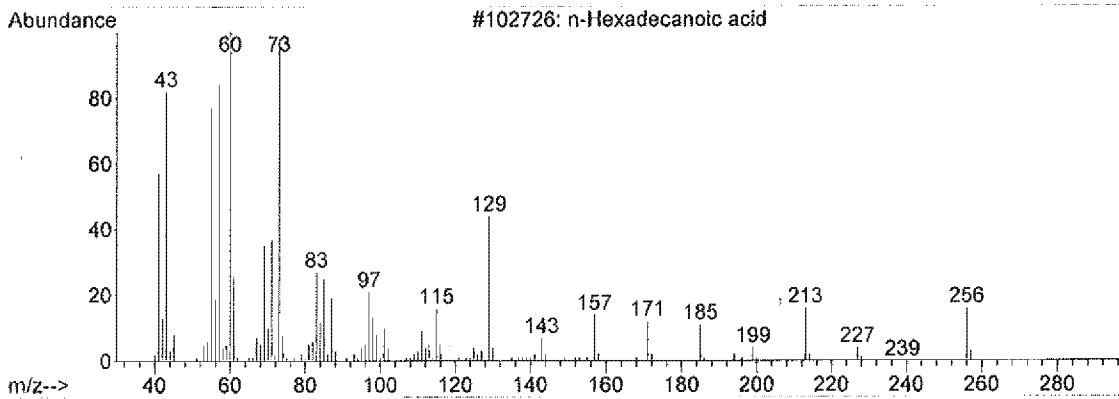
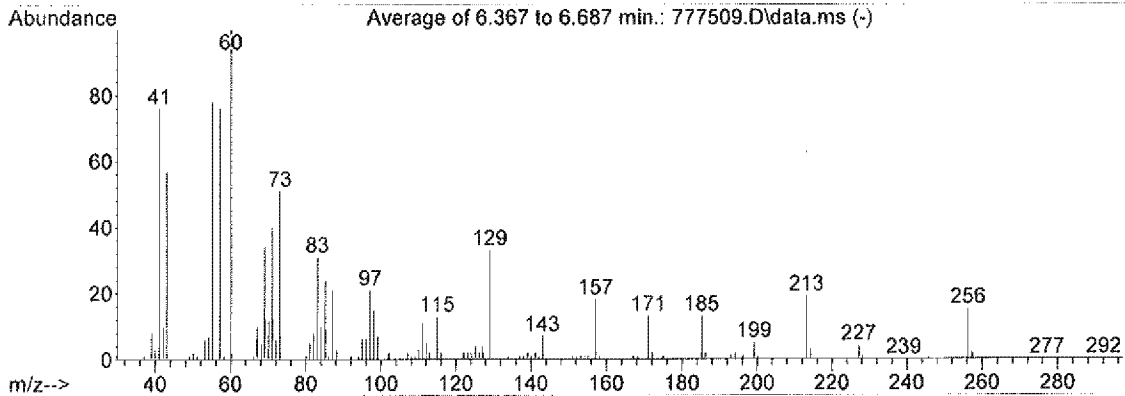


Information from Data File:

File Name : F:\Q1-2011\System6\03_18_11\777509.D
Operator : ASD
Date Acquired : 18 Mar 2011 18:33
Sample Name : XXXXXXXXXX
Submitted by : MGL
Vial Number : 9
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 10
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	6.41	C:\Database\NIST08.L		
		n-Hexadecanoic acid	000057-10-3	93
		n-Hexadecanoic acid	000057-10-3	80
		Pentadecanoic acid	001002-84-2	68

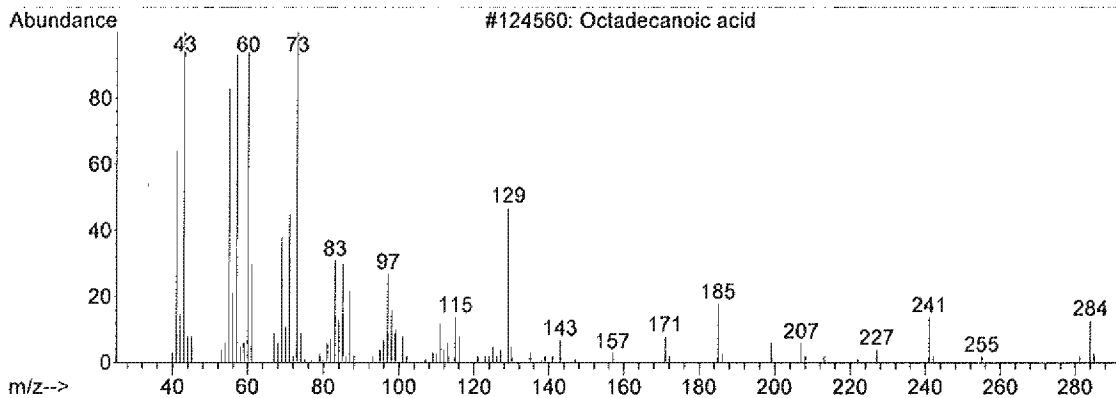
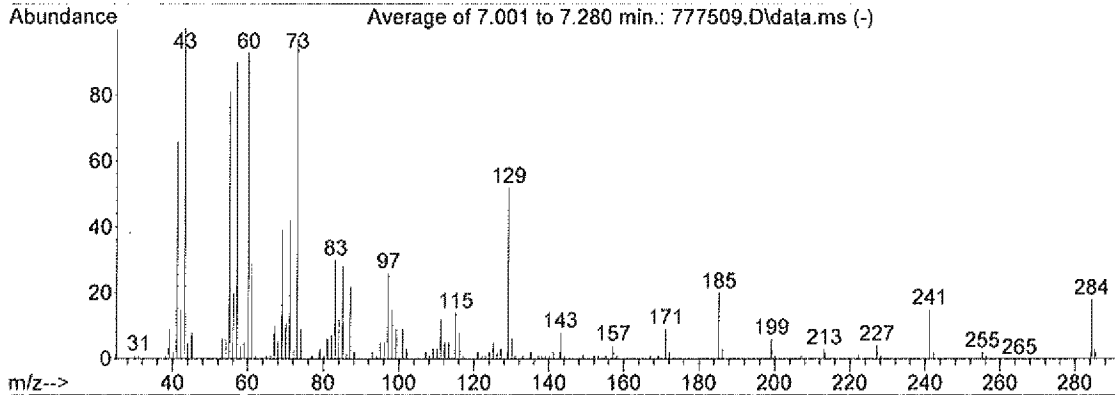


Information from Data File:

File Name : F:\Q1-2011\System6\03_18_11\777509.D
Operator : ASD
Date Acquired : 18 Mar 2011 18:33
Sample Name : XXXXXXXXXX
Submitted by : MGL
Vial Number : 9
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 10
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	7.04	C:\Database\NIST08.L		
		Octadecanoic acid	000057-11-4	99
		Octadecanoic acid	000057-11-4	96
		Octadecanoic acid	000057-11-4	95

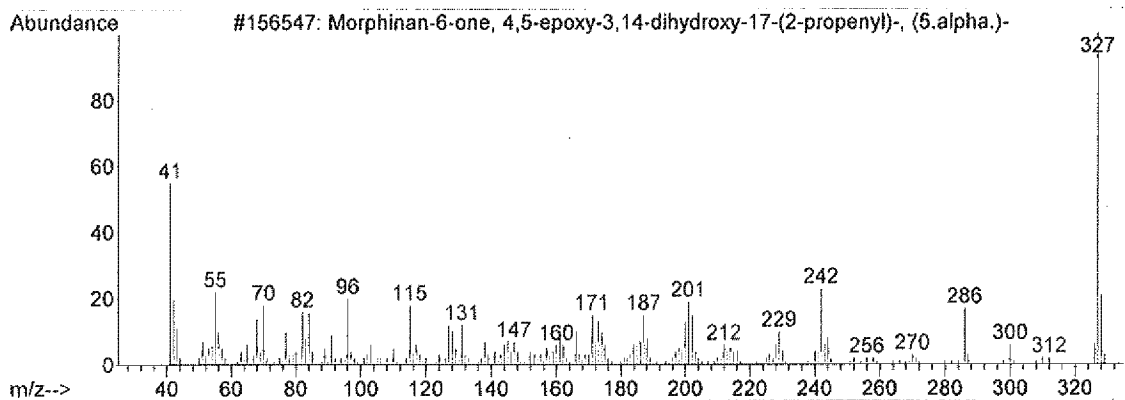
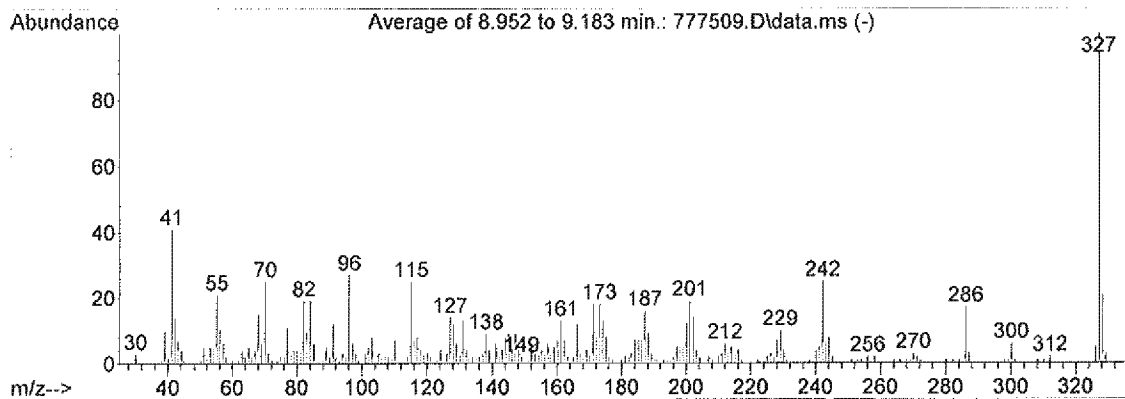


Information from Data File:

File Name : F:\Q1-2011\System6\03_18_11\777509.D
Operator : ASD
Date Acquired : 18 Mar 2011 18:33
Sample Name : XXXXXXXXXX
Submitted by : MGL
Vial Number : 9
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 10
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
4	9.00	C:\Database\NIST08.L		
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	99
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	99
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	96

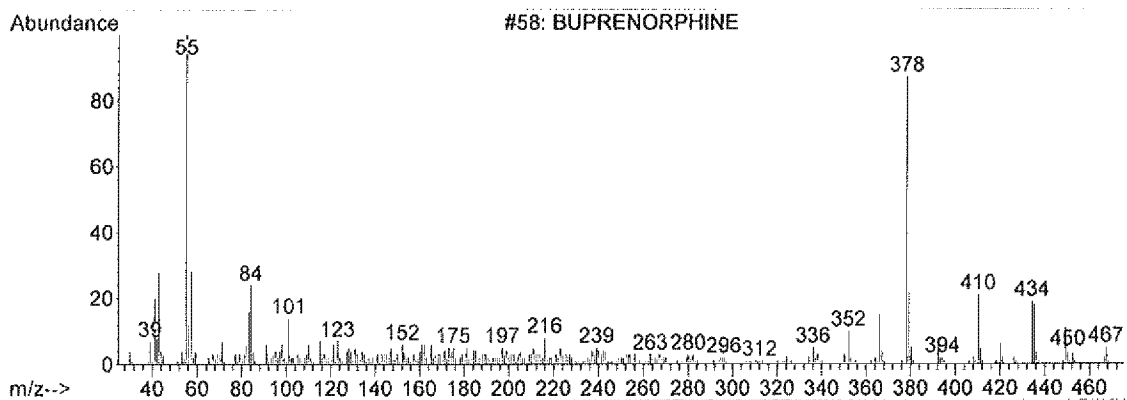
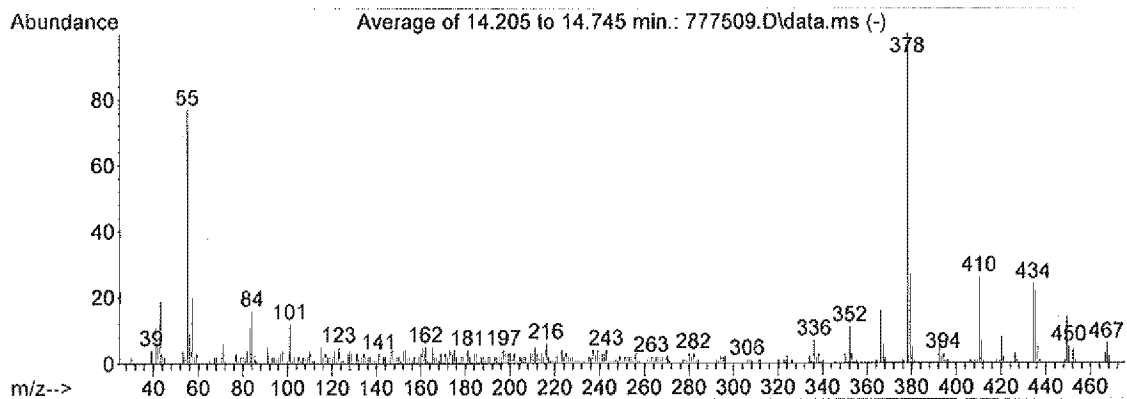


Information from Data File:

File Name : F:\Q1-2011\System6\03_18_11\777509.D
Operator : ASD
Date Acquired : 18 Mar 2011 18:33
Sample Name : XXXXXXXXXX
Submitted by : MGL
Vial Number : 9
AcquisitionMeth: WSCREEN.M
Integrator : RTE

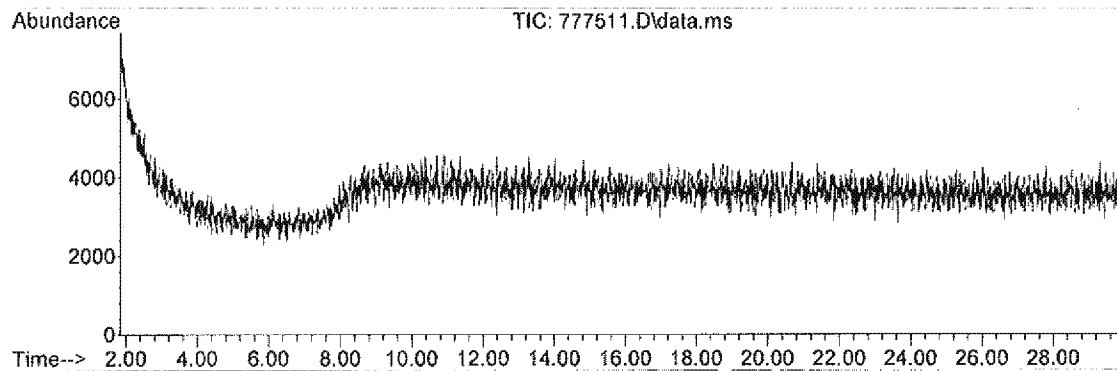
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 10
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
5	14.42	C:\Database\SLI.L		
		BUPRENORPHINE	052485-79-7	99
		BURPENORPHINE	052485-79-7	99



Information from Data File:

File Name : F:\Q1-2011\System6\03_18_11\777511.D
Operator : ASD
Date Acquired : 18 Mar 2011 19:41
Sample Name : BLANK
Submitted by : MGL
Vial Number : 1
AcquisitionMeth: WSCREEN.M
Integrator : RTE

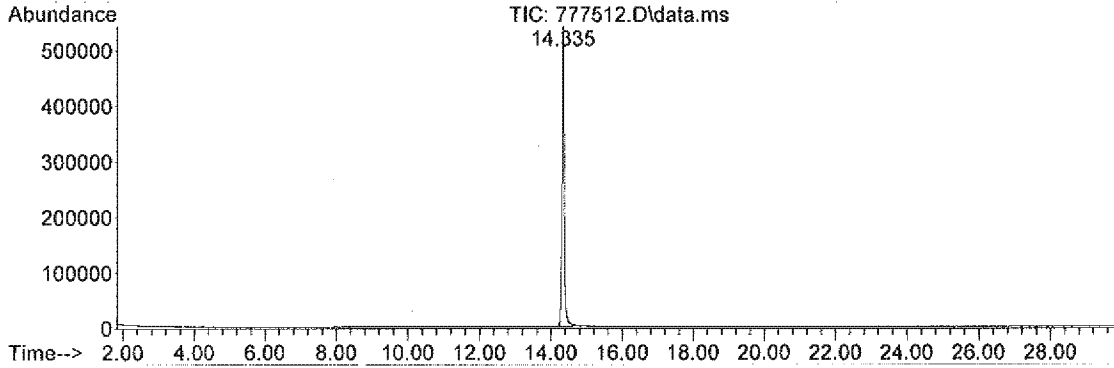


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q1-2011\System6\03_18_11\777512.D
 Operator : ASD
 Date Acquired : 18 Mar 2011 20:15
 Sample Name : BUPRENORPHINE STD
 Submitted by : MGL
 Vial Number : 6
 AcquisitionMeth: WSCREEN.M
 Integrator : RTE



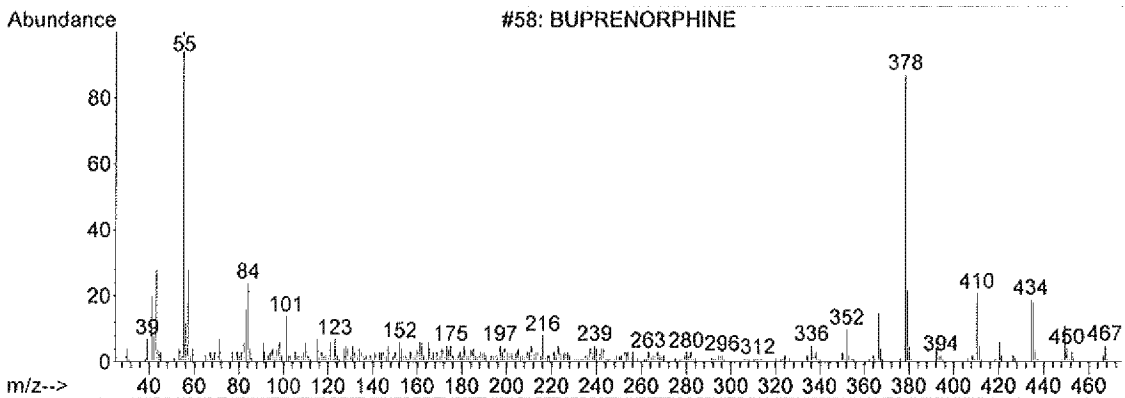
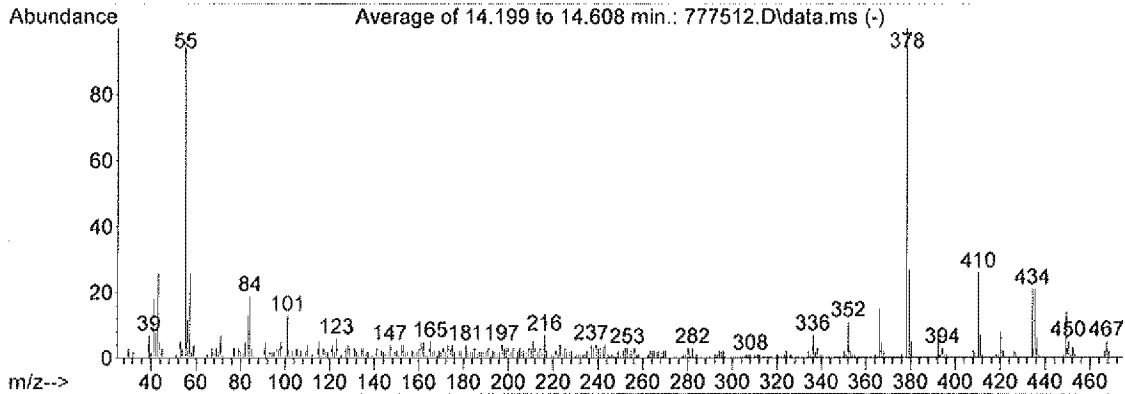
Ret. Time	Area	Area %	Ratio %
14.335	2314690	100.00	100.00

Information from Data File:

File Name : F:\Q1-2011\System6\03_18_11\777512.D
Operator : ASD
Date Acquired : 18 Mar 2011 20:15
Sample Name : BUPRENORPHINE STD
Submitted by : MGL
Vial Number : 6
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 10
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	14.34	C:\Database\SLI.L		
		BUPRENORPHINE	052485-79-7	99
		BURPENORPHINE	052485-79-7	99



Last page.....no further data